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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/671,704	09/26/2003	William Long	09680.0237US01	9253
23552 MERCHANT	7590 05/28/200 & GOULD PC	8	EXAM	UNER
P.O. BOX 2903			KISH, JAMES M	
MINNEAPOL	IS, MN 55402-0903		ART UNIT PAPER NUMBER	
			3737	
			MAIL DATE	DELIVERY MODE
			05/28/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) LONG, WILLIAM 10/671,704

Office Action Summary	Examiner	Art Unit	
	JAMES KISH	3737	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	correspondence ac	ddress
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING D. Edensions of time may be available under the provision of 37 CFR 1.1 after SIX (6) MORTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period with the state of the provision of 37 CFR 1.1 after SIX (6) MORTHS from the maining date of this communication. If NO period for reply is specified above, the maximum statutory period with the state of the sta	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this of D (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on 19 Dec. 2a) This action is FINAL. 2b) This 3) Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro		e merits is
Disposition of Claims			
4)⊠ Claim(s) <u>1-17</u> is/are pending in the application.			
Application Papers			
9) The specification is objected to by the Examinei 10) The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the to Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	epted or b) objected to by the l drawing(s) be held in abeyance. Sec ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). jected to. See 37 C	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati ity documents have been receive (PCT Rule 17.2(a)).	on No ed in this National	l Stage
Attachment(s)			
1) Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(e) (PTO/SS/CO) Paper Nots/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal F	ate	

Paper No(s)/Mail Date _____.

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DETAILED ACTION

Response to Arguments

Applicant's arguments filed December 19, 2007 have been fully considered but they are not persuasive.

On pages 8-9, the Applicant argues that the use of the magnet in Chen is completely different than that of the current application. The Examiner does not disagree that the magnet is being used for different purposes. Nonetheless, claim 1 states the following (summarized):

An apparatus for elucidating reaction dynamics of photoreactive compounds, comprising: means for applying a magnetic field, means for simultaneously illuminating, means for collecting light, means for analyzing. Chen in combination with Zeng teaches all of these devices. The portion of claim 1 which states, "the combination of applying a magnetic field and illuminating said ROI inducing a chemical reaction in said photoreactive compounds" is not a structural limitation of the apparatus as much as it is a property associated with whatever drug is being used concurrently with the apparatus. The only portion of the claims that positively claims a drug is in claim 15, where it is only defined as "a PDT drug." Chen clearly states in the abstract that a photoreactive agent is administered to the patient.

Regarding the Applicant's argument that Chen uses high strength magnetic fields

- Chen states in the abstract that the magnet may be an electromagnet. Therefore, the
field strength may be altered depending on the voltage applied.

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Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skil in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-6 and 15-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chen et al. (US Patent No. 5.921244) in view of Zeng et al. (US Patent No. 6,128,525). Chen discloses a method and system for photodynamic therapy. A magnetic field is induced in the region of interest synchronously with the application of the light being used for the therapy. The system is placed within a housing, as illustrated by the accompanying Figures. However, Chen does not incorporate a light detection means. Zeng teaches a method and apparatus for controlling the dosimetry of a photodynamic therapy. The method comprises collecting photoproducts created by the agent being used in the therapy. A baseline spectrum is created and ratio analysis then ensues (column 4, lines 1-45). Zeng also discusses that the oxygen supply is an important factor affecting photodynamic therapy (column 1, lines 31-35). It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide a means to monitor the progress and efficacy of therapy, as taught by Zeng, in the system of Chen in order to provide saf treatment of a site using photodynamic therapy and ensuring that overexposure to treatment light leading to damage of normal tissue or underexposure leading to ineffective treatment of the lesion does not occur (Abstract of Zeng).

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Allowable Subject Matter

Claims 7-14 are allowed.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAMES KISH whose telephone number is (571)272-5554. The examiner can normally be reached on 8:30 - 5:00 ~ Mon. - Fri..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Casler can be reached on 571-272-4956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Brian L Casler/ Supervisory Patent Examiner, Art Unit 3737

JMK